Express5800/120Rd-2
System Release Notes

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Express5800/120Rd-2
System Release Notes

The *Express5800/120Rd-2 System Release Notes* provide up-to-date information on your system. These notes also provide additional valuable information about your system that was not included in the user's guide.

Please read these notes in their entirety.

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Introduction

These System Release Notes cover the following topics:

- General Comments
- Advisories
- Documentation Errata

General Comments

The following general comments apply to this server.

- Versions of the Network Operating Systems tested and recommended are:
  - Windows® 2000 with Service Pack 2
  - Windows NT® 4.0 Server with Service Pack 6
  - Novell® NetWare® 5.1
  - SCO OpenServer™ 5.06.

Advisories

EXPRESSBUILDER

The following advisories apply to EXPRESSBUILDER.

- EXPRESSBUILDER Express Setup always configures the Windows 2000 TCP/IP Protocol IP settings to "Obtain an IP address automatically" (DHCP), regardless of the IP address setting specified in Express Setup. If static TCP/IP addressing is required, TCP/IP must be reconfigured. Refer to Windows documentation for instructions.
- After installing Windows 2000, the Windows 2000 Device Manager may show an NEC GEM SCSI Processor Device and/or an Unknown Device under Other Devices. The Unknown Device is a reference to the baseboard management controller. Installing the ESMPRO Agent can clear both of these conditions.
- Windows 2000 and Windows NT 4.0 must be installed using EXPRESSBUILDER Express Setup to take full advantage of NEC specific software for your server.

> ***Note:*** This advisory does not apply if your operating system was preloaded at the factory.

- EXPRESSBUILDER Express Setup does not support installation of Windows 2000 Service Pack 2. After installing Windows 2000, close Express Setup, remove the EXPRESSBUILDER CD, and install Windows 2000 Service Pack 2 using the Microsoft Service Pack 2 media.
- If you already have an operating system installed when creating a maintenance partition, EXPRESSBUILDER will warn you of the existing partition. If you want to preserve the installed operating system, do not create the maintenance partition or the existing operating system will be overlaid by the maintenance partition.
- The Administrator Menu in the System Information Management segment of the Offline Maintenance Utility is accessible only by NEC authorized service representatives.
- EXPRESSBUILDER operates in floppy emulation mode. The emulated floppy drive portion of your system CD-ROM is designated Drive A and the remaining portion(s) of the CD-ROM is designated Drive Q. Your system diskette drive is Drive B. After creating the Off-line Maintenance Utility diskette, EXPRESSBUILDER prompts you to remove the diskette from Drive B. At this prompt, remove the diskette from your diskette drive.

WINDOWS XP OPERATING SYSTEM

The following advisory applies when using the Windows XP operating system.

- MWA and ESMPRO are currently not supported on management workstations running the Windows XP operating system.

Documentation Errata

Express5800 Series 120Rd-2 User's Guide

- Please note the following additions to the *Express5800 Series 120Rd-2 User's Guide, 456-01582-000.*

  — "Preface" information was inadvertently left out of the *120Rd-2 User's Guide* PDF file on EXPRESSBUILDER. This information is included in these release notes.

  — Add the "Replacing the Real-time Clock Battery" procedure included in these release notes to the end of Chapter 7 "Upgrading your Server."

Using This Guide

Welcome to the Express5800/120Rd-2 Server User's Guide. This user's guide provides a quick reference to information about your server system. Its goal is to familiarize you with your system and the tasks necessary for system configuring and upgrading.

This guide contains the following information:

- Chapter 1, **"**System Overview" provides all the information necessary to use the server, including a description your system's major system components. See this chapter to familiarize yourself with your server and how to use it.
- Chapter 2, "Setting Up Your System" tells you how to select a site, unpack the system, assemble the rack-mount subsystem, make cable connections, and power on your system.
- Chapter 3, "Configuring Your System" tells you how to configure the system and provides instructions for running the BIOS Setup Utility and the Adaptec Configuration Utility, which is used to configure SCSI devices in your system. This chapter also provides information on system board jumper settings.
- Chapter 4, "Installing the Operating System" describes how to install the several different operating systems qualified for use with your server.
- Chapter 5. "Maintenance" provides you with all the information necessary to maintain successful operation of the server. This chapter also includes a description on relocating and storing the server.
- Chapter 6, "Troubleshooting" contains helpful information for solving problems that might occur with your system.
- Chapter 7, "Upgrading Your System" provides you with instructions for upgrading your system with an additional processor, optional memory, options cards, and peripheral devices.
- Appendix A, "Technical Specifications" provides specifications for your server system.
- Appendix B, "Interrupt Request/PCI IRQ Device/I/O Port Address Assignments" provides the Interrupt Requests (IRQs), PCI IRQ device, and I/O port addresses that are assigned by the factory for this system.
- Appendix C, "Installing Windows 2000/Windows NT 4.0" describes how to install Microsoft Windows 2000 and Microsoft Windows NT 4.0 without using the Express Setup tool.
- Appendix D, "Product Configuration Record Table" provides a table for documenting your system configuration and future updates you may make to your system.
- "Glossary" defines the standard acronyms and technical terms used in this manual.

Text Conventions

This guide uses the following text conventions.

IMPORTANT: Items that are mandatory or require attention when using the server

NOTE: Notes give important information about the material being described.

Safety Indications and Symbols

Safety

Follow the instructions in this User's Guide to use your server safely.

In this User's Guide a "WARNING" or "CAUTION" is used to indicate a degree of danger. These terms are defined as follows:

WARNING	Warnings alert you to situations that could result in serious personal injury or loss of life.
CAUTION	Indicates the presence of a hazard that may cause minor personal injury, including burns, or property damage if the instruction is ignored.

Symbols

Precautions and notices against hazards are represented with one of the following three symbols:

	This symbol indicates the presence of a hazard if the instruction is ignored. An image in the symbol illustrates the hazard type. (Attention)
	This symbol indicates prohibited actions. An image in the symbol illustrates a particular prohibited action. (Prohibited Action)
	This symbol indicates mandatory actions. An image in the symbol illustrates a mandatory action to avoid a particular hazard. (Mandatory Action)

Attentions

	Indicates that improper use may cause an electric shock.
	Indicates that improper use may cause personal injury.
	Indicates that improper use may cause fingers to be caught.
	Indicates that improper use may cause fumes or fire.
	Indicates a general notice or warning that cannot be specifically identified.
	Indicates that improper use may cause loss of eyesight due to laser beam.

Prohibited Actions

	Indicates a general prohibited action that cannot be specifically identified.
	Do not disassemble, repair, or modify the server. Otherwise, an electric shock or fire may be caused.

Mandatory Action

	Unplug the power cord of the server. Otherwise, an electric shock or fire may be caused.
	Indicates a mandatory action that cannot be specifically identified. Make sure to follow the instruction.

Related Documents

In addition to this guide, the following system documentation is included with your server either as electronic files on EXPRESSBUILDER or as paper copy shipped with your server.

- *System Release Notes*
  Release Notes provide you with the latest information about your system. This information was not available to be included in your user's guide at the time it was developed and released.
- *Getting Started Sheet*
  The Getting Started Sheet provides several easy-to-follow steps to become familiar with your server documentation and to complete your installation successfully.

Safety Notices

- **Caution:** To reduce the risk of electric shock which could cause personal injury, follow all safety notices. The symbols shown are used in your documentation and on your equipment to indicate safety hazards.
- **Warning:** Lithium batteries can be dangerous. Improper handling of lithium batteries may result in an explosion. Dispose of lithium batteries as required by local ordinance or as normal waste if no local ordinance exists.
- **Warning:** The detachable power supply cord is intended to serve as the disconnect device.
- **Warning:** This equipment has a 3-wire, grounded power cord. To prevent electrical hazards, do not remove or defeat the ground prong on the power cord. Replace the power cord if it gets damaged. Contact your dealer for an exact replacement.
- **Warning:** The DC push-button on/off switch on the front panel does not turn off the system AC power. Also, +5vdc is present on the system board whenever the AC power cord is connected between the system and an AC outlet. Before doing the procedures in this manual, make sure that your system is powered off and unplug the AC power cord from the back of the chassis. Failure to disconnect power before opening your system can result in personal injury and equipment damage.

In the U.S.A. and Canada, the power cord must be a UL-listed detachable power cord (in Canada, CSA-certified), type ST or SJT, 16 AWG, 3-conductor, provided with a molded-on NEMA type 5-15 P plug cap at one end and a molded-on cord connector body at the other end. The cord length must not exceed 9 feet (2.7 meters).

Outside the U.S.A. and Canada, the plug must be rated for 250 VAC, 10 amp minimum, and must display an international agency approval marking. The cord must be suitable for use in the end-user country. Consult your dealer or the local electrical authorities if you are unsure of the type of power cord to use in your country. The voltage change occurs via a switch in the power supply.

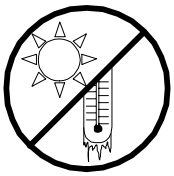
- **Warning:** Under no circumstances should the user attempt to disassemble the power supply. The power supply has no user-replaceable parts. Inside the power supply are hazardous voltages that can cause serious personal injury. A defective power supply must be returned to your dealer.

Safety Notices for Users Outside of the U.S.A. and Canada

- **PELV (Protected Extra-Low Voltage) Integrity:** To ensure the extra-low voltage integrity of the equipment, connect only equipment with mains-protected electrically-compatible circuits to the external ports.
- **Remote Earths:** To prevent electrical shock, connect all local (individual office) computers and computer support equipment to the same electrical circuit of the building wiring. If you are unsure, check the building wiring to avoid remote earth conditions.
- **Earth Bonding:** For safe operation, only connect the equipment to a building supply that is in accordance with current wiring regulations in your country. In the U.K., those regulations are the IEE.

Care and Handling

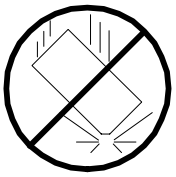
Use the following guidelines to properly handle and care for your system.



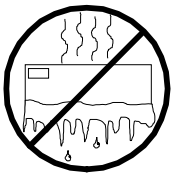
Protect the system from extremely low or high temperatures. Let the system warm (or cool) to room temperature before using it.

Keep the system away from magnetic forces.

Keep the system dry. Do not wash the system with a wet cloth or pour fluid into it.



Protect the system from being bumped or dropped.



Check the system for condensation. If condensation exists, allow it to evaporate before powering on the system.

Keep the system away from dust, sand, and dirt.

Replacing the Real-time Clock Battery

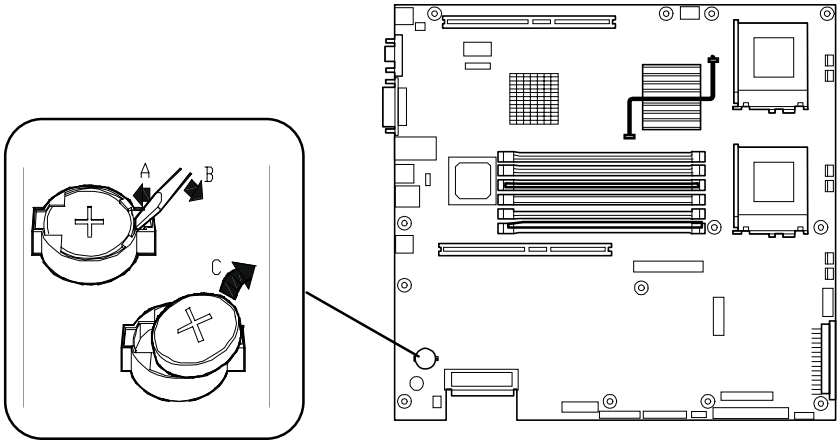
You may need to replace the real-time clock battery because of its life span. The battery (Vendor Part #CR2032) is a commodity part available through many vendors. Notice the plus (+) sign on the battery. This sign will assist you in correctly positioning the battery on the system board.

⚠ CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

⚠ CAUTION

Observe static precautions. Use an antistatic wrist strap.



1. See the section "Preparing for Installation and Removal" described earlier to prepare for this procedure.
2. Extend the server out from the rack following procedures described earlier in this chapter.
3. Open the top cover following procedures described earlier in this chapter.
4. If present, remove the protective plastic cover located over the top of the lithium battery.
5. Insert the tip of a small flat-bladed screwdriver (B), or equivalent, next to the tab retainer (A).
6. Gently push on the tab to release the battery from its socket.
7. Remove the battery from its socket (C).

8. Dispose of the battery according to local ordinance. Observe the **CAUTIONS** at the start of this procedure.
9. Remove the new lithium battery from its package, and being careful to observe the correct polarity, insert it into the battery socket.
10. If applicable, reinstall the plastic cover on the lithium battery socket.
11. Reinstall the top cover following procedures described earlier in this chapter.
12. Install the server into the rack following procedures described earlier in this chapter.
13. Power on the server and verify POST displays no error messages.
14. Run the BIOS Setup to restore the configuration settings to the real-time clock.